



Attorney Docket No.: P-6274-US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

KUSHNARENKO,

Examiner:

Not yet known

Serial No.:

10/774,806

Alexander

Group Art Unit:

2818

Filed:

February 10, 2004

Title:

HIGH VOLTAGE LOW POWER DRIVER

Mail Stop Amendment Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

## INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO-1449:

1. 🛛	listing documents including patents, publications and other information for consideration by
	the Examiner, however, since the subject application was filed after June 30, 2003, copies
	of United States patents, and/or United States patent applications, and/or United States
	patent application publications are not included in this information disclosure statement;
	and/or
2. 🔲	listing documents including patents, publications and other information that have been
	previously cited or submitted to the Patent Office in prior application U.S. Serial No.
	, filed which is properly identified and relied on for an earlier effective
	filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance
	with 37 C.F.R. 1.98(d), copies of such documents are not included in this information
	disclosure statement; and/or
3. 🔲	listing documents including patents, publications, and other information for consideration
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4. Issting other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

I)	$\boxtimes$	Within three (3) months of filing the subject Application or entry of the
subject	Applic	ation into the national stage or before mailing of the first Office Action on
the me	rits of	the subject Application or a request for continued examination thereof,
whiche	ver eve	nt occurs last pursuant to of 37 C.F.R §1.97 (b); or
II)		After the period specified in (I) but before the mailing date of either a final
Official	Action	n under 37 C.F.R §1.113 or a notice of allowance under 37 C.F.R §1.311
whiche	ver occ	urs first and;
	1.	the undersigned hereby states that each item of information listed on
	the For	m PTO-1449 was either (i) cited in a communication from a foreign patent

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10/774,806

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the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or the undersigned hereby authorizes the Patent Office to charge the fee 2. in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649. After the period in (I) and (II) but before the payment of the issue fee and, III) П 1. The undersigned hereby states: that each item of information cited on the form PTO-1449 a) was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or that no items of information contained in Form PTO-1449 b) was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and The undersigned hereby authorizes the Patent Office to charge the 2. Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

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Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 05-0649.

Respectfully submitted

Guy Yonay

Attorney for Applicant,

Registration No. 52,388

Dated: October 17, 2004

Eitan, Pearl, Latzer & Cohen Zedek, LLP.

10 Rockefeller Plaza, Suite 1001 New York, New York 10020

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	Substitute	e for form	1 1449A/PTO	Com	plete if Known
				Application Number	10/774,806
INF	ORMA	TION	DISCLOSURE	Filing Date	February 10, 2004
ST	ATEME	ENT E	Y APPLICANT	First Named Inventor	KUSHNARENKO, Alexander
				Group Art Unit	2818
(use as many sheets as necessary)				Examiner Name	Not yet known
Sheet	1	of	5	Attorney Docket Number	P-6274-US

			U.	S. PATENT DOCUMENTS		
Examiner Initials*	Cite No.1	U.S. Pater Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,081,456		Dadashev	June 27, 2000	
	2	6,028,324		Su et al.	February 22, 2000	
	3	6,154,081		Pakkala et al.	November 28, 2000	
	4	6,627,555		Eitan et al.	September 30, 2003	
	5	6,339,556		Watanabe	January 15, 2002	
	6	6,665,769		Cohen et al.	December 16, 2003	
	7	5,847,441		Cutter et al.	December 8, 1998	
	8	5,276,646		Kim et al.	January 4, 1994	
	9	5,142,496		Van Buskirk	August 25, 1992	
	10	5,381,374		Shiraishi et al.	January 10, 1995	
	11	5,663,907		Frayer et al.	September 2, 1997	
	12	5,636,288		Bonneville et al.	June 3, 1997	
	13	5,903,031		Yamada et al.	May 11, 1999	
	14	5,726,946		Yamagata et al.	March 10, 1998	
	15	5,963,412		En	October 5, 1999	
	16	5,946,258		Evertt et al.	August 31, 1999	
	17	6,452,438		Li	September 17, 2002	
	18	6,359,501		Lin et al.	March 19, 2002	
	19	6,353,356		Liu	March 5, 2002	
	20	6,297,974		Ganesan et al.	October 2, 2001	

			FORI	IGN PATENT DOCUM	ENTS		
Examiner Initials*	Cite, No	Fore Office <sup>3</sup>	ignPatent Document  Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns. Lines. Where Relevant Passages or Relevant Figures Appear	۳
	21	EP	0693781	United Microelectronics Corp.	January 24, 1996		
	22	JP	02001118392	Toshiba Corp.	April 27, 2001		
	23	EP	0 843 398	WaferScale Integration Inc.	May 20, 1998		
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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	24	6,208,200	Arakawa	March 27, 2001							
	25	6,198,342	Kawai	March 6, 2001							
	26	6,130,574	Bloch et al.	October 10, 2000							
	27	5,081,371	Wong	January 14, 1992							
	28	6,064,251	Park	May 16, 2000							
	29	6,677,805	Shor et al.	January 13, 2004							
	30	5,808,506	Tran	September 15, 1998							
	31	6,433,624	Grossnickle et al.	August 13, 2002							
	32	5,675,280	Nomura et al.	October 7, 1997							
	33	5,534,804	Woo	July 9, 1996							
	34	5,612,642	McClintock	March 18, 1997							
	35	6,005,423	Schultz	December 21, 1999							
	36	2003/0076159	Shor et al.	April 24, 2003							
	37	5,280,420	Rарр	January 18, 1994							
	38	5,553,030	Tedrow et al.	September 3, 1996							
	39	5,559,687	Nicollini et al.	September 24, 1996							
	40	5,717,581	Canclini	February 10, 1998							
	41	6,075,402	Ghilardelli et al.	June 13, 2000							
	42	6,094,095	Murray et al.	July 25, 2000							
	43	6,107,862	Mukainakano et al.	August 22, 2000							

			FORE	IGN PATENT DOCUME	NTS		
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	44	6,130,572	Ghilardelli et al.	October 10, 2000	
	45	6,577,514	Shor et al.	June 10, 2003	
	46	5,815,435	Van Tran	September 29, 1998	
	47	6,654,296	Jang et al.	November 25, 2003	
	48	5,581,252	Thomas	December 3, 1996	
	49	2004/0151034	Shor et al.	August 5, 2004	
	50	5,672,959	Der	September 30, 1997	
	51	6,188,211	Rincon-Mora et al.	February 13, 2001	
	52	6,246,555	Tham	June 12, 2001	
	53	6,356,469	Roohparvar et al.	March 12, 2002	
	54	5,142,495	Canepa	August 25, 1992	
	55	2003/0202411	Yamada	October 30, 2003	
	56	6,157,242	Fukui	December 5, 2000	
	57	5,708,608	Park et al.	January 13, 1998	
	58	4,961,010	Davis	October 2, 1990	
	59	5,760,634	Fu	June 2, 1998	
	60	2002/0145465	Shor et al.	October 10, 2002	
	61	6,118,207	Ormerod et al.	September 12, 2000	
	62	6,400,209	Matsuyama et al.	June 4, 2002	
	63	5,880,620	Gitlin et al.	March 9, 1999	

				FORE	IGN PATENT DOCUME	NTS		
Examiner Initials*	Cite, No 1		ignPatent Do Ki Number <sup>4</sup> (ii	nd Code <sup>5</sup> known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines. Where Relevant Passages or Relevant Figures Appear	<b>⊤</b> ⁵
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	64	5,029,063	1	Lingstaedt et al.	July 2, 1991	
	65	6,608,526		Sauer	August 19, 2003	
	66	5,910,924		Tanaka et al.	June 8, 1999	
	67	6,040,610		Noguchi et al.	March 21, 2000	
	68	6,614,295		Tsuchi	September 2, 2003	
	69	6,150,800		Kinoshita et al.	November 21, 2000	
	70	6,285,614		Mulatti et al.	September 4, 2001	
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Sheet	5	of	5	Attorney Docket Number	P-6274-US	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.'	include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Martin, "Improved Circuits for the Realization of Switched-Capacitor Filters", IEEE Transactions on	
	71	Circuits and Systems, Apr., 1980, pp 237-244, Vol. CAS-27	
		Klinke, et al., "A Very-High-Slew-Rate CMOS Operational Amplifier", IEEE Journal of Solid-State Circuits",	
	72	1989. pp 744-746. Vol. 24	
	†	Shor, et al, "paper WA2 04 01 - Self regulated Four-Phased Charge Pump with Boosted Wells", ISCAS 2002,	
	73	2002	
	<del>                                     </del>	Fotouhl, "An Efficient CMOS Line Driver for 1.544-Mb/s T1 and 2 048-Mb/s E1 Applications", IEEE Journal of	
	74	Solid-State Circuits, 2003, pp. 226-236, Vol. 38	
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